

MADA MAIN CHANNEL

Technical Data Sheet

TDS-MM-R12-Rev2 Main Channel - 2024



Product Description

Mada Main Channels are the structural component of a metal stud ceiling system and are typically supported from the structure above with rigid hangers, adjustable clips, or hooked and tied wires. Our Main Channels feature a knurled surface for superior strength, increased stiffness, and less screw slippage.

Field of Application

- Metal stud ceiling systems
- Cinema System
- And other non-load bearing assemblies



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CLEAN AIR GOLD



Tested and Certified to meet and exceed ASTM E119 for Fire Rated Systems



TECHNICAL DATA SHEET

Manufacturing Standards

- All Mada Metal Profiles are manufactured to meet or exceed ASTM C645 and ASTM C955.
- Galvanized Steel Coils meet or exceed ASTM A653.
- For recommended storage and installation, please refer to ASTM C754 and ASTM C1007.

Product Characteristics

| Description | Technicals Parameters |
|-------------------------|--|
| Coating | Z120, Z180 & Z275 |
| Yield Strength | 240MPa - 310MPa |
| Tensile Strength | 340MPa - 420MPa |
| Material | Galvanized Steel |
| Flanges (mm) (F) | 10/10, 11/11, 12/12 |
| Length | 3000mm |
| Thickness (mm), [TCT] | 0.40, 0.50, 0.55, 0.60, 0.70, 0.80, 0.90, 1.20, 1.50 |
| Sizes (mm), [Depth] (D) | 38, 45 |



Recommendations

- Use Mada Wafer Head Screw for metal-to-metal connection.
- Use Mada C-Clamp for connection to suspension hanger (Mada Threaded Rod).
- Use only Mada Ceiling System components and accessories for guaranteed performance.
- Related components: Mada Main Channel, Mada Wall Angle, Mada Shadow Gap Angle and Mada Threaded Rod.
- Contact technical@madagypsum.com for additional information.

Material Storage and Handling

- Metal products are available in both pack and sub-pack quantities and should be handled in accordance with the recommendations contained in Local Health and Safety at Work Principles and Practices.
- Use only properly trained and licensed operators when for mechanical lifting or movement.
- Store metal products away from airborne contaminants such as acid or salt spray in an environmentally friendly area.
- Always wash hands for personal hygiene and before eating/drinking. Those with sensitive skin conditions should seek medical advice before prolonged handling of metal products.
- When cutting metal profiles, always wear non-fogging goggles for maximum eye protection.
- Consult the Mada System Guide for additional information about related systems and installations.
- Refer to Mada Safety Data Sheet for additional guidance with health and safety, storage, and handling.

Cold-Formed Steel Design References

- North American Specification for the Design of Cold-Formed Steel Structural Members (AISI S100 and AISI S200).
- Analysis and Design of Cold Formed Members per the LRFD and ASD Methods.

General Notes

- This product should not be used for purposes other than those shown on the Mada Technical Proposal.
- This product is a component of the Mada Plus System. Our System Performance Warranty applies to only framing systems made up entirely of Mada Plus System components.
- As products are improved, Mada Gypsum Company may amend this information as needed, without prior notice. Please refer to www.madagypsum.com for the latest information.